

## Product datasheet for **TP724887**

### ApoE Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Apolipoprotein E/ApoE (C-His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Glu19-Gln311
Tag:	C-6His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, 0.1%Tween 80, 10% trehalose, pH 7.4
Note:	Recombinant Mouse Apolipoprotein E is produced by our Mammalian expression system and the target gene encoding Glu19-Gln311 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	11816
UniProt ID:	<a href="#">P08226</a>
Summary:	Apolipoprotein E (ApoE) is a glycoprotein that mainly functions in lipoprotein-mediated lipid transport between organs via the plasma and interstitial fluids. ApoE can be synthesized by the liver and intestinally synthesized chylomicrons. ApoE mediates high-affinity binding of chylomicrons and very low density lipoprotein (VLDL) particles to the LDL receptor, allowing for specific uptake of these particles by the liver, preventing the accumulation of cholesterol-rich particles in the plasma. ApoE plays an essential role in the formation of plasma lipoproteins and is involved in their production, conversion and clearance. ApoE is also a constituent of a subclass of high density of lipoproteins (HDL) involved in cholesterol transport. More recently, ApoE has been studied for its role in several biological processes not directly related to lipoprotein transport, including Alzheimer's disease, immunoregulation, and cognition.



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